

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Takachi KATO Art Unit : 4147  
Appl. No. : 10/578,006 Examiner : Jefferey Alan Parker  
(U.S. National Stage of PCT/JP05/02509)  
I.A. Filed : February 10, 2005 Conf. No. : 6588  
For : QUADRATURE MODULATION APPARATUS, METHOD  
PROGRAM, AND RECORDING MEDIUM

**RESPONSE UNDER 37 C.F.R. § 1.111**

Commissioner for Patents  
U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop AMENDMENT  
Randolph Building  
401 Dulany Street  
Alexandria VA 22314

Sir:

In response to the Official Action of July 23, 2009, in which a three-month shortened statutory period for response was set to expire on October 23, 2009, and which has been extended by the concurrently submitted Request for (one-month) Extension of Time set to expire on November 23, 2009, Applicant respectfully requests reconsideration and withdrawal of the outstanding objection and rejections set forth in the Official Action, in view of the herein-contained remarks.

**Amendments to the Drawings** begin on page 2 of this paper.

**Amendments to the Claims** begin on page 3 of this paper.

**Remarks** begin on page 6 of this paper.